

GenCore version 5.1.6  
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## OM protein - protein search, using sw model

Run on:

June 23, 2003, 15:15:57 ; Search time 48 Seconds  
(Without alignments)

414.793 Million cell updates/sec

Title: AAK91826

Perfect score: 965

Sequence: 1 MRRGPRSLRGRDAPAPTCPV.....ATELGSTELVTTKTAGPEQQ 184

Scoring table: BLASTM62

Gapext 10.0 , Gapext 0.5

Searched: 417779 seqs, 10820813 residues

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Published Applications AA:\*

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1: /cgn2_6/prodata/1/pubpa/US08 NEW PUB pep:*
2: /cgn2_6/prodata/1/pubpa/FCTI_NEW_PFB.pep:*
3: /cgn2_6/prodata/1/pubpa/US06 NEW PUB.pep:*
4: /cgn2_6/prodata/1/pubpa/US07 NEW PUB.pep:*
5: /cgn2_6/prodata/1/pubpa/US07_PUBCOMB.pep:*
6: /cgn2_6/prodata/1/pubpa/US07_PUBCOMB.pep:*
7: /cgn2_6/prodata/1/pubpa/PCTUS_PUBCOMB.pep:*
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11: /cgn2_6/prodata/1/pubpa/US10_PUBCOMB.pep:*
12: /cgn2_6/prodata/1/pubpa/US10_PUBCOMB.pep:*
13: /cgn2_6/prodata/1/pubpa/US60 NEW PUB.pep:*
14: /cgn2_6/prodata/1/pubpa/US60_PUBCOMB.pep:*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match Length	DB ID	Description
1	965	100.0	184	9 US-10-008-033-2 Sequence 2, Appli
2	965	100.0	184	9 US-10-152-333A-60 Sequence 60, Appli
3	815	84.5	185	9 US-10-251-97-2 Sequence 2, Appli
4	755.5	78.3	170	9 US-10-251-97-6 Sequence 6, Appli
5	745.5	77.2	171	9 US-10-251-97-4 Sequence 9, Appli
6	745	77.2	171	9 US-10-251-97-7 Sequence 7, Appli
7	736.5	76.3	186	9 US-10-251-97-14 Sequence 14, Appli
8	410.5	42.5	175	9 US-10-008-033-13 Sequence 13, Appli
9	384	39.8	328	9 US-10-008-033-42 Sequence 42, Appli
10	120.5	12.5	1023	9 US-09-893-529A-14 Sequence 14, Appli
11	117	12.1	635	9 US-09-738-626-6614 Sequence 6614, Appli
12	114.5	11.9	418	9 US-09-946-897-3 Sequence 3, Appli
13	114.5	11.9	418	10 US-09-795-668-3 Sequence 3, Appli
14	105.5	10.9	550	9 US-09-976-710-47 Sequence 47, Appli
15	105.5	10.9	550	12 US-10-023-529-47 Sequence 47, Appli
16	105.5	10.9	550	12 US-10-023-529-47 Sequence 47, Appli
17	105.5	10.9	250	9 US-10-218-654-31 Sequence 31, Appli
18	104	10.8	268	9 US-10-218-654-23 Sequence 23, Appli
19	104	10.8	268	9 US-10-218-654-23 Sequence 23, Appli

## ALIGNMENTS

RESULT 1  
US-10-008-063-2  
; Sequence 2, Application US/10008063  
; Publication No. US200300921641  
; GENERAL INFORMATION:  
; APPLICANT: Gross, Jane A.  
; APPLICANT: Xu, Wenfeng  
; APPLICANT: Hennie, Randal M.  
; APPLICANT: Grant, Francis J.  
; TITLE OF INVENTION: Human Tumor Necrosis Factor Receptor  
; FILE REFERENCE: 00-103  
; CURRENT APPLICATION NUMBER: US10/008, 063  
; CURRENT FILING DATE: 2001-11-05  
; NUMBER OF SEQ ID NO: 46  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 2  
; LENGTH: 184  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; US-10-008-063-2

Query Match 100.0%; Score 965; DB 9; Length 184;  
Best Local Similarity 100.0%; Pred. No. 1.e-67;  
Matches 184; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY	1 MRRGPRSLRGRDAPAPTCPVPAECFDLVLVRHCVACGLRLTPRKPGASSPAPRTALPQO
Dy	1 MRRGPRSLRGRDAPAPTCPVPAECFDLVLVRHCVACGLRLTPRKPGASSPAPRTALPQO

61 ESVGAGGEALPLPGLGFLFAPALIGLALVLFVGVLSWRQRRLRGASSAEPGD 120  
61 ESVGAGGEALPLPGLGFLFAPALIGLALVLFVGVLSWRQRRLRGASSAEPGD 120

QY 121 KDAPEFLKVILSFGISDATAPATAPPAGDPGTTPGHSHVPVPAELEGSTELEVTTKTAG 180

121 KDAPEFLKVILSFGISDATAPATAPPAGDPGTTPGHSHVPVPAELEGSTELEVTTKTAG 180

RESULT 2  
US-10-152-363A-60  
; Sequence 60, Application US/10152363A  
; Publication No. US20030103986A1  
; GENERAL INFORMATION:  
; APPLICANT: Rixon, Mark W.  
; TITLE OF INVENTION: TACI-Immunoglobulin Fusion Proteins  
; FILE REFERENCE: 01-20  
; CURRENT APPLICATION NUMBER: US/10/152,363A  
; CURRENT FILING DATE: 2002-05-20  
; PRIORITY APPLICATION NUMBER: 60/293,343  
; PRIORITY FILING DATE: 2001-05-24  
; NUMBER OF SEQ ID NOS: 70  
; SOFTWARE: FASTSEQ for Windows Version 3.0  
; SEQ ID NO: 60  
; LENGTH: 184  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; US-10-152-363A-60

Query Match 100.0%; Score 965; DB 9; Length 184;  
Best Local Similarity 100.0%; Pred. No. 1.1e-67; Mismatches 0; Indels 0; Gaps 0;  
Matches 184; Conservative

QY 1 MRGRPSLRGDRAPTPCVAECFDLVRHVCAGLRLTRPKPAGASSPAPTAQPO 60  
Db 1 MRGRPSLRGDRAPTPCVAECFDLVRHVCAGLRLTRPKPAGASSPAPTAQPO 60  
QY 61 ESGVAGAGEALPLPGLFLFGAPALLGLALVALVLVLGVLSWRQRRLRGASSAEPDGD 120  
Db 61 ESGVAGAGEALPLPGLFLFGAPALLGLALVALVLVLGVLSWRQRRLRGASSAEPDGD 120  
QY 121 KDAPEPLDKVILISPGISDATAPAWPPPGEDPGTTPGHSPVPVATELGSTELVTTKAG 180  
Db 121 KDAPEPLDKVILISPGISDATAPAWPPPGEDPGTTPGHSPVPVATELGSTELVTTKAG 180  
QY 181 PEQQ 184  
Db 181 PEQQ 184

RESULT 3  
US-10-251-947-2  
; Sequence 2, Application US/10251947  
; Publication No. US20030099990A1

; APPLICANT: Hsu, Hailing  
; GENERAL INFORMATION:  
; TITLE OF INVENTION: TALL-1 Receptor Molecules and Uses Thereof  
; FILE REFERENCE: 01-1160-A  
; CURRENT APPLICATION NUMBER: US/10/251,947  
; CURRENT FILING DATE: 2002-09-20  
; NUMBER OF SEQ ID NOS: 14  
; SOFTWARE: Patentin Ver. 2.0  
; SEQ ID NO: 2  
; LENGTH: 185  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; US-10-251-947-2

Query Match 84.5%; Score 815; DB 9; Length 185;  
Best Local Similarity 85.9%; Pred. No. 4.7e-56; Mismatches 7; Indels 2; Gaps 2;  
Matches 159; Conservative

QY 1 MRGRPSLRGDRAPTPCVAECFDLVRHVCAGLRLTRPK-PAGASSPAPTAQPO 59  
Db 1 MRGRPSLRGDRAPTPCVAECFDLVRHVCAGLRLTRPK-PAGASSPAPTAQPO 60  
QY 60 QESVGAGAGBAALPLGLFLFGAPALLGLALVALVLVLGVLSWRQRRLRGASSAEPDGD 119  
Db 61 QESVGAGAGBAALPLGLFLFGAPALLGLALVALVLVLGVLSWRQRRLRGASSAEPDGD 120  
QY 120 DK-DAPEPLDKVILISPGISDATAPAWPPPGEDPGTTPGHSPVPVATELGSTELVTTK 178

RESULT 4  
US-10-251-947-6  
; Sequence 6, Application US/10251947  
; Publication No. US20030099990A1  
; GENERAL INFORMATION:  
; APPLICANT: Hsu, Hailing  
; TITLE OF INVENTION: TALL-1 Receptor Molecules and Uses Thereof  
; FILE REFERENCE: 01-1160-A  
; CURRENT APPLICATION NUMBER: US/10/251,947  
; CURRENT FILING DATE: 2002-09-20  
; NUMBER OF SEQ ID NOS: 14  
; SOFTWARE: Patentin Ver. 2.0  
; SEQ ID NO: 6  
; LENGTH: 170  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; US-10-251-947-6

Query Match 78.3%; Score 755.5; DB 9; Length 170;  
Best Local Similarity 79.8%; Pred. No. 1.8e-51; Mismatches 7; Indels 13; Gaps 1;  
Matches 146; Conservative

QY 1 MRGRPSLRGDRAPTPCVAECFDLVRHVCAGLRLTRPKPAGASSPAPTAQPO 60  
Db 1 MRGRPSLRGDRAPTPCVAECFDLVRHVCAGLRLTRPKPAGASSPAPTAQPO 60  
QY 61 ESGVAGAGEALPLPGLFLFGAPALLGLALVALVLVLGVLSWRQRRLRGASSAEPDGD 120  
Db 61 ESGVAGAGEALPLPGLFLFGAPALLGLALVALVLVLGVLSWRQRRLRGASSAEPDGD 120  
QY 121 KDAPEPLDKVILISPGISDATAPAWPPPGEDPGTTPGHSPVPVATELGSTELVTTKAG 180  
Db 121 K-----AGTDATAPAWPPPGEDQGTTPGHSPVPVATELGSTELVTTKAG 167  
QY 181 PEQ 183  
Db 168 PEQ 170

RESULT 5  
US-10-251-947-4  
; Sequence 4, Application US/10251947  
; Publication No. US20030099990A1  
; GENERAL INFORMATION:  
; APPLICANT: Hsu, Hailing  
; TITLE OF INVENTION: TALL-1 Receptor Molecules and Uses Thereof  
; FILE REFERENCE: 01-1160-A  
; CURRENT APPLICATION NUMBER: US/10/251,947  
; CURRENT FILING DATE: 2002-09-20  
; NUMBER OF SEQ ID NOS: 14  
; SOFTWARE: Patentin Ver. 2.0  
; SEQ ID NO: 4  
; LENGTH: 171  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; US-10-251-947-4

Query Match 77.2%; Score 745; DB 9; Length 171;  
Best Local Similarity 79.3%; Pred. No. 1.1e-50; Mismatches 7; Indels 14; Gaps 2;  
Matches 146; Conservative

QY 1 MRGRPSLRGDRAPTPCVAECFDLVRHVCAGLRLTRPK-PAGASSPAPTAQPO 59  
Db 1 MRGRPSLRGDRAPTPCVAECFDLVRHVCAGLRLTRPK-PAGASSPAPTAQPO 60

Qy 60 QSSVGAGAEALPLPGILFGPAPGLGALLVALVNLGVLSVRQRRLRGRASSAEPDG 119  
   ||||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :|||  
 Db 61 QSSVGAGTSGEVSULPLRGFLGFAPALGLVLVAVLVLVGLSVWRROORLRGASTERPDG 120

Qy 120 DKDAPEFLDKVILTSPGSDATAPAWPPPGEDPGTPPGHSVPVPAATELGTEBLVTKTA 179  
   ||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :|||  
 Db 121 DK-----AGTIDATAPAWPPPGEDQGTTPRGHSIPVPAATELGTEBLVTKTA 167  
 Qy 180 GPEQ 183  
 Db 168 GPEQ 171

RESULT 6  
 US-10-251-947-7  
 ; Sequence 7, Application US/10251947  
 ; Publication No. US2003009990A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Heu, Hailing  
 ; TITLE OF INVENTION: TAIL-1 Receptor Molecules and Uses Thereof  
 ; FILE REFERENCE: 01-1160-A  
 ; CURRENT APPLICATION NUMBER: US/10/251,947  
 ; CURRENT FILING DATE: 2002-09-20  
 ; NUMBER OF SEQ ID NOS: 14  
 ; SEQ ID NO 7  
 ; LENGTH: 171  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 ; US-10-251-947-7

Query Match 77.2%; Score 745; DB 9; Length 171;  
 Best Local Similarity 79.3%; Pred. No. 1; 1e-50;  
 Matches 146; Conservative 7; Mismatches 17; Indels 14; Gaps 2;

Qy 1 MERGPRLSRGDRAPAPTPCVPABCDFLIVRHCVAGLRLTRPK-PAGASSAPRTALQP 59  
 1 MRRGPRSLRGDRAPAPTPCVPABCDFLIVRHCVAGLRLTRPK-PAGASSAPRTALQP 59  
 Db 60 QSSVGAGAEALPLPGILFGPAPGLGALLVALVNLGVLSVRQRRLRGRASSAEPDG 119  
 Qy 61 QSSVGAGTSGEVSULPLRGFLGFAPALGLVLVAVLVLVGLSVWRROORLRGASTERPDG 120  
 Db 120 DK-----AGTIDATAPAWPPPGEDPGTPPGHSIPVPAATELGTEBLVTKTA 179  
 Qy 121 DK-----AGTIDATAPAWPPPGEDQGTTPRGHSIPVPAATELGTEBLVTKTA 167  
 Db 180 GPEQ 183  
 Db 168 GPEQ 171

RESULT 7  
 US-10-251-947-14  
 ; Sequence 14, Application US/10251947  
 ; Publication No. US2003009990A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Heu, Hailing  
 ; TITLE OF INVENTION: TAIL-1 Receptor Molecules and Uses Thereof  
 ; FILE REFERENCE: 01-1160-A  
 ; CURRENT APPLICATION NUMBER: US/10/251,947  
 ; CURRENT FILING DATE: 2002-09-20  
 ; NUMBER OF SEQ ID NOS: 14  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO 14  
 ; LENGTH: 186  
 ; TYPE: PRT  
 ; ORGANISM: Artificial Sequence  
 ; FEATURE:  
 ; OTHER INFORMATION: Description of Artificial Sequence: TAIL-1R  
 ; OTHER INFORMATION: Polypeptide derived from the amino acid sequence  
 ; OTHER INFORMATION: alignment shown in Figure 8A  
 ; FEATURE:  
 ; OTHER INFORMATION: or is absent.

NAME/KEY: UNSURE  
 LOCATION: (46)  
 OTHER INFORMATION: "Xaa" can be any naturally occurring amino acid.  
 FEATURE:  
 NAME/KEY: UNSURE  
 LOCATION: (124)  
 OTHER INFORMATION: "Xaa" can be any naturally occurring amino acid,  
 OTHER INFORMATION: or is absent.  
 FEATURE:  
 NAME/KEY: UNSURE  
 LOCATION: (125)  
 OTHER INFORMATION: "Xaa" can be any naturally occurring amino acid,  
 OTHER INFORMATION: or is absent.  
 FEATURE:  
 NAME/KEY: UNSURE  
 LOCATION: (126)  
 OTHER INFORMATION: "Xaa" can be any naturally occurring amino acid,  
 OTHER INFORMATION: or is absent.  
 FEATURE:  
 NAME/KEY: UNSURE  
 LOCATION: (127)  
 OTHER INFORMATION: "Xaa" can be any naturally occurring amino acid,  
 OTHER INFORMATION: or is absent.  
 FEATURE:  
 NAME/KEY: UNSURE  
 LOCATION: (128)  
 OTHER INFORMATION: "Xaa" can be any naturally occurring amino acid,  
 OTHER INFORMATION: or is absent.  
 FEATURE:  
 NAME/KEY: UNSURE  
 LOCATION: (129)  
 OTHER INFORMATION: "Xaa" can be any naturally occurring amino acid,  
 OTHER INFORMATION: or is absent.  
 FEATURE:  
 NAME/KEY: UNSURE  
 LOCATION: (130)  
 OTHER INFORMATION: "Xaa" can be any naturally occurring amino acid,  
 OTHER INFORMATION: or is absent.  
 FEATURE:  
 NAME/KEY: UNSURE  
 LOCATION: (131)  
 OTHER INFORMATION: "Xaa" can be any naturally occurring amino acid,  
 OTHER INFORMATION: or is absent.  
 FEATURE:  
 NAME/KEY: UNSURE  
 LOCATION: (132)  
 OTHER INFORMATION: "Xaa" can be any naturally occurring amino acid,  
 OTHER INFORMATION: or is absent.  
 FEATURE:  
 NAME/KEY: UNSURE  
 LOCATION: (133)  
 OTHER INFORMATION: "Xaa" can be any naturally occurring amino acid,  
 OTHER INFORMATION: or is absent.  
 FEATURE:  
 NAME/KEY: UNSURE  
 LOCATION: (134)  
 OTHER INFORMATION: "Xaa" can be any naturally occurring amino acid,  
 OTHER INFORMATION: or is absent.  
 FEATURE:  
 NAME/KEY: UNSURE  
 LOCATION: (135)  
 OTHER INFORMATION: "Xaa" can be any naturally occurring amino acid,  
 OTHER INFORMATION: or is absent.  
 FEATURE:  
 NAME/KEY: UNSURE  
 LOCATION: (136)  
 OTHER INFORMATION: "Xaa" can be any naturally occurring amino acid,  
 OTHER INFORMATION: or is absent.  
 FEATURE:  
 NAME/KEY: UNSURE  
 LOCATION: (137)  
 OTHER INFORMATION: "Xaa" can be any naturally occurring amino acid,  
 OTHER INFORMATION: or is absent.

FEATURE:  
; NAME/KEY: UNSURE  
; LOCATION: (138)  
; OTHER INFORMATION: "Xaa" can be any naturally occurring amino acid;  
; OTHER INFORMATION: or is absent.  
US-10-251-917-14

Query Match 76.3%; Score 736.5; DB 9; Length 186;  
Best Local Similarity 78.5%; Pred. No. 5; 5e-50;  
Matches 146; Conservative 7; Mismatches 30; Indels 3; Gaps 2;

Qy 1 MRGRPRSLRGDRDAPTPCVPACFCFDLVRHCVACAGLRLTRPKPKP-AGASPRPRTALQP 59  
Db 1 MRGRPRSLRGDRDAPTPCVPACFCFDLVRHCVACAGLRLTRPKPKP-AGASPRPRTALQP 59  
Qy 60 QESVGAGAGEAALPLPGILFGAPALIGLVALVLUVLGVLSMRQRRLRQGRASSAERPQ 60  
Db 61 QESTVGGEVSPPLGLFLGAPALIGLVALVLUVLGVLSMRQRRLRQGRASSAERPQ 60  
Qy 120 DK--DAPEPLDKVILSPEGIDATAPAWPPGSDPGTTPGHGVPUVPAEGLSTELVTK 177  
Db 121 DKAXXXXXXXXXXXXXXXGTIDATAPAWPPGSDQGTTPPGHISIPVPAEGLSTELVTK 180  
Qy 178 TAGPEQ 183  
Db 181 TAGPEQ 186

RESULT 8  
US-10-008-063-13  
Sequence 13, Application US/10008063  
Publication No. US20030092164A1  
GENERAL INFORMATION:  
APPLICANT: Gross, Jane A.  
APPLICANT: Xu, Wenfeng  
APPLICANT: Henne, Randal M.  
APPLICANT: Grant, Francis J.  
TITLE OF INVENTION: Human Tumor Necrosis Factor Receptor  
FILE REFERENCE: 00-103  
CURRENT APPLICATION NUMBER: US/10/008, 063  
CURRENT FILING DATE: 2001-11-05  
NUMBER OF SEQ ID NOS: 46

Matched Sequence 13, Application US/10008063  
Publication No. US20030092164A1  
GENERAL INFORMATION:  
APPLICANT: ANADIS PHARMACEUTICALS, INC.  
APPLICANT: THOMSON, Craig  
APPLICANT: MOORE, Jeffrey  
APPLICANT: BURMAN, Ed T.  
APPLICANT: BRADLEY, John  
APPLICANT: DESTINA, Thamara  
APPLICANT: HARRIS, Sandra  
APPLICANT: KOMARNITSKY, Svetlana  
APPLICANT: MENDILLO, Marc  
APPLICANT: MOORE, Daniel  
APPLICANT: MCCOY, Melissa  
APPLICANT: SANDERSON, Karen  
APPLICANT: HAQ, Tariq  
APPLICANT: LONG, Fan  
APPLICANT: DAVIDY, Eugene  
TITLE OF INVENTION: ANTIINFECTIVE COMPOUNDS AND METHODS OF USE  
FILE REFERENCE: 034271G548-US2  
CURRENT APPLICATION NUMBER: US/09/893, 519A  
CURRENT FILING DATE: 2001-06-28  
PRIOR APPLICATION NUMBER: US 60/215, 164  
PRIOR FILING DATE: 2000-06-29  
PRIOR APPLICATION NUMBER: US 60/224, 457  
PRIOR FILING DATE: 2000-08-10  
NUMBER OF SEQ ID NOS: 146  
SOFTWARE: Patentin version 3.1.  
SEQ ID NO 14  
LENGTH: 1023  
TYPE: PRT  
FEATURE:  
NAME/KEY: misc feature  
OTHER INFORMATION: Corresponds to SEQ ID NO: 87

RESULT 9  
US-10-008-063-42  
Sequence 42, Application US/10008063  
Publication No. US20030092164A1  
GENERAL INFORMATION:  
APPLICANT: Gross, Jane A.  
APPLICANT: Xu, Wenfeng

Matched Sequence 9, Application US/10008063  
Publication No. US20030092164A1  
GENERAL INFORMATION:  
APPLICANT: Henne, Randal M.  
APPLICANT: Grant, Francis J.  
TITLE OF INVENTION: Human Tumor Necrosis Factor Receptor  
FILE REFERENCE: 00-103  
CURRENT APPLICATION NUMBER: US/10/008, 063  
CURRENT FILING DATE: 2001-11-05  
NUMBER OF SEQ ID NOS: 46  
SOFTWARE: FastSEQ for Windows Version 4.0  
SEQ ID NO 42  
LENGTH: 328  
TYPE: PRT  
FEATURE: Artificial Sequence  
ORGANISM: Human  
OTHER INFORMATION: Ztnfr12-tcs-Pc5.  
US-10-008-063-42  
Query Match 39.8%; Score 384; DB 9; Length 328;  
Best Local Similarity 100.0%; Pred. No. 2.2e-22;  
Matches 72; Conservative 100.0%; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 MRGRPRSLRGDRDAPTPCVPACFCFDLVRHCVACAGLRLTRPKPKPAGASSPAPRTALQP 60  
Db 20 MRGRPRSLRGDRDAPTPCVPACFCFDLVRHCVACAGLRLTRPKPKPAGASSPAPRTALQP 79  
Qy 61 ESVGAGAGEAAL 72  
Db 80 ESVGAGAGEAAL 91

RESULT 10  
US-09-893-519A-14  
Sequence 14, Application US/09893519A  
Publication No. US20030027243A1  
GENERAL INFORMATION:  
APPLICANT: ANADIS PHARMACEUTICALS, INC.  
APPLICANT: THOMSON, Craig  
APPLICANT: MOORE, Jeffrey  
APPLICANT: BURMAN, Ed T.  
APPLICANT: BRADLEY, John  
APPLICANT: DESTINA, Thamara  
APPLICANT: HARRIS, Sandra  
APPLICANT: KOMARNITSKY, Svetlana  
APPLICANT: MENDILLO, Marc  
APPLICANT: MOORE, Daniel  
APPLICANT: MCCOY, Melissa  
APPLICANT: SANDERSON, Karen  
APPLICANT: HAQ, Tariq  
APPLICANT: LONG, Fan  
APPLICANT: DAVIDY, Eugene  
TITLE OF INVENTION: ANTIINFECTIVE COMPOUNDS AND METHODS OF USE  
FILE REFERENCE: 034271G548-US2  
CURRENT APPLICATION NUMBER: US/09/893, 519A  
CURRENT FILING DATE: 2001-06-28  
PRIOR APPLICATION NUMBER: US 60/215, 164  
PRIOR FILING DATE: 2000-06-29  
PRIOR APPLICATION NUMBER: US 60/224, 457  
PRIOR FILING DATE: 2000-08-10  
NUMBER OF SEQ ID NOS: 146  
SOFTWARE: Patentin version 3.1.  
SEQ ID NO 14  
LENGTH: 1023  
TYPE: PRT  
FEATURE:  
NAME/KEY: Homo sapiens  
FEATURE:  
NAME/KEY: misc feature  
OTHER INFORMATION: Corresponds to SEQ ID NO: 87  
DATABASE ACCESSION NUMBER: Human Genbank/CAA72189  
DATABASE ENTRY DATE: 1997-06-25  
RELEVANT RESIDUES: (1)..(1023)  
US-09-893-519A-14

Query Match 12.5%; Score 120.5; DB 9; Length 1033;  
 Best Local Similarity 27.4%; Pred. No. 0.21; Mismatches 63; Conservative 11; Indels 63; Gaps 9;  
 Matches 63;

Qy 2 RRGPRSLRGRDAPAPPCVPA-----BCFDLVRHCVACGLRLPRPKAGAS 49  
 Db 104 RGGPPSRRPLVPA-GPAPPAAKIRPPPEGSGACAPVPAAVAG---PEPAPAGPA 158

Qy 50 SPAPRTALQPOESVGAGAEALPLPG-----LLFGAPALL----- 85  
 Db 159 KPGPAALAAKAGPGPGPGPGPKPGKPGAAOTLNGSALLNSHAAAPAVSLNN 218

Qy 86 GIALVLALVLVGLVLSWRQRRLRGASSAEPGDKDAPEPLDKVILSPISDATA[P]AW 145  
 Db 219 GPAAALLPLPKPAAAGTVIOTPPVGAAAPP---AAPSPAAAPAAAP---AAPAPP 270

Qy 146 PPGEDGDTT[P]CH-----SVPPAT----ELGSTELVTKTAGP 181  
 Db 271 PPAPATLARP[GHPAGPPTAA[P]AVPPAAGQNGGSAAGA[P]APAGGP 320

RESULT 11  
 US-09-738-626-6614 Application US/09/38626  
 ; Sequence 6614, Application US/09/38626  
 ; Publication No. US20020197605A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: NAKAGAWA, SATOSHI  
 ; APPLICANT: MIZOGUCHI, HIROSHI  
 ; APPLICANT: ANDO, SEIKO  
 ; APPLICANT: HAYASHI, MIKIRO  
 ; APPLICANT: OCHIAI, KEIKO  
 ; APPLICANT: YOKOI, HARUHIKO  
 ; APPLICANT: TATEISHI, NAOKO  
 ; APPLICANT: SENOH, AKIHIRO  
 ; APPLICANT: IKEDA, MASATO  
 ; APPLICANT: OZAKI, AKIO  
 ; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES  
 ; FILE REFERENCE: 249-125  
 ; CURRENT APPLICATION NUMBER: US/09/738, 626  
 ; CURRENT FILING DATE: 2000-12-18  
 ; PRIOR APPLICATION NUMBER: JP 99/377484  
 ; PRIOR FILING DATE: 1999-12-16  
 ; PRIOR APPLICATION NUMBER: JP 00/159162  
 ; PRIOR FILING DATE: 2000-04-07  
 ; PRIOR APPLICATION NUMBER: JP 00/280988  
 ; NUMBER OF SEQ ID NOS: 7059  
 ; SOFTWARE: Patentin ver. 3.0  
 ; SEQ ID NO: 6614  
 ; LENGTH: 635  
 ; TYPE: PRT  
 ; ORGANISM: Corynebacterium glutamicum  
 ; US-09-738-626-6614

Query Match 11.9%; Score 114.5; DB 9; Length 418;  
 Best Local Similarity 29.3%; Pred. No. 0.22; Mismatches 54; Conservative 14; Indels 55; Gaps 10;  
 Matches 54;

Qy 2 RRGPRSLRGRDAPAPPCVPA-----BCFDLVRHCVACGLRLPRPKAGAS 57  
 Db 4 RRKAPRR-SGRCP-----RAQPGSAAKSPPPLPLPLLLL 38

Qy 58 OPQESTVGAGAEALPLPLGLIFGAPALIG---LALVLAATVGLVLSWRQR---RLR 109  
 Db 39 LGTAARGAAAGNEAPAGASVCSPPSVGSVOELAQRAAVTIEGKPHQRROGAIDKA 97

Qy 110 GASSAEP-----DGDKDAAPEPLDKVILSPLGISDATA[P]AWPPGED-----GTTPGHSV 161  
 Db 98 AAAGGEAGAWGGDRPP-----AAGPRALEPPAEEPLLAANGTVPWSWTA 142

Qy 162 PVPA 165  
 Db 143 PVPS 146

RESULT 13  
 US-09-795-668-3  
 ; Sequence 3, Application US/09/795668  
 ; Patent No. US20020045577A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Stefansson, Hreinn  
 ; APPLICANT: Gulcher, Jeffrey R.  
 ; TITLE OF INVENTION: HUMAN SCHIZOPHRENIA GENE  
 ; FILE REFERENCE: 2345, 2004-001,  
 ; CURRENT APPLICATION NUMBER: US/09/795, 668  
 ; CURRENT FILING DATE: 2001-02-28  
 ; PRIOR APPLICATION NUMBER: US 09/515, 716  
 ; NUMBER OF SEQ ID NOS: 1531  
 ; SOFTWARE: FastSEQ for Windows Version 4.0  
 ; SEQ ID NO: 3  
 ; LENGTH: 418  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 ; US-09-795-668-3

Query Match 11.9%; Score 114.5; DB 10; Length 418;  
 Best Local Similarity 29.3%; Pred. No. 0.22; Mismatches 54; Conservative 14; Indels 61; Gaps 10;  
 Matches 54;

Qy 2 RRGPRSLRGRDAPAPPCVPA-----BCFDLVRHCVACGLRLPRPKAGAS 57  
 Db 4 RRKAPRR-SGRCP-----RAQPGSAAKSPPPLPLLLL 38

RESULT 12  
 US-09-946-807-3

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PRIOR APPLICATION NUMBER: US 08/979,608  
PRIOR FILING DATE: 1997-11-26  
PRIOR APPLICATION NUMBER: US 60/031,930  
PRIOR FILING DATE: 1996-11-27  
PRIOR APPLICATION NUMBER: US 60/048,547  
PRIOR FILING DATE: 1997-06-03  
NUMBER OF SEQ ID NOS: 53  
SOFTWARE: Fast-SEQ for Windows Version 4.0  
SEQ ID NO 47  
LENGTH: 550  
TYPE: PRT  
ORGANISM: Orvectolagus cuniculus
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US-09-795-686-3  
Sequence 3, Application US/09795686  
; Patent No. US20000949541  
; GENERAL INFORMATION:  
; APPLICANT: Steinabson, Hrein  
; APPLICANT: Steinhordottir, Valgerdur  
; APPLICANT: Gulcher, Jeffry R.  
; TITLE OF INVENTION: HUMAN SCHIZOPHRENIA GENE  
; FILE REFERENCE: 2345-2005-001  
; CURRENT APPLICATION NUMBER: US/09/795,686  
; CURRENT FILING DATE: 2001-02-28  
; PRIOR APPLICATION NUMBER: US 09/515,715  
; PRIOR FILING DATE: 2000-02-28  
; NUMBER OF SEQ ID NOS: 1531  
; SOFTWARE: PatSeq for Windows Version 4.0  
; SEQ ID NO 3  
; LENGTH: 418  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; US-09-795-686-3

Query Match	10.9%	Score 105.5;	DB 9;	Length 550;
Best Local Similarity	26.7%	Pred. No. 1.5;	Matches 54;	Mismatches 10;
Oy	2 RRG-----PRSLRG-----RDAPAPT CVPABC FDLVRLRHCVACGLL RTRPKP -AGASS	50		
Db	104 RRGATPPAPR PAPR PRGGPAAA APP TAPP-----			PPPAPVAAA 144
Oy	51 P-APRTALQ PESVGAGAE ALPBC LFGA PALIGL ALVALV ALVINGL VSRR QRLI 108			
Db	145 PARAPRAA-----AAAAT APPSPG-----PAQPG----- PRAQRRA 177			
Oy	109 RGAS-----SAE PDGD KDAPE PEPID KVILS PGIS DATA PAW PPG EGD GTTP GH 159			
Db	178 PIAAPR PAAP AAR PAAP AGP RPR PA AVARE S RPR P QP RPR QQQQ P P P P P 237			
Oy	160 SYPVPA TELG STEL VTKT KAGP 181			
Db	238 QQPQ PPEB GGA----- ARAGGP 254			

	Query	Match	Best Local Similarity	Score	Length
Qy	RRGPPSILRGDRADAPTPCVPAECFDLLVRHVCACGLLRTPRPKAGASSP---	AARTLA	29.3%	11.9%	418
Db	RRAPR-SGRGP-----	-RAQRQPSAAKSPPPLPLPLILL	54	Pred. 0.022;	DB 10
Qy	OPQESVAGAGEAALFLPGLFLGAPALLG---I-LA-VIA-LVLYGLVSRORR-----	R LR	58	57	109
Db	LGTAAAGAAAGNEAAP--AGASVCSPPSVSVQELAQRAAWVIBGKVHQBROQGALDKA	97	39		
Qy	GASSIEAAP--DGDKDPEPEUDKVIISPGISDATAAP-AWPPPGEDP-----	GTPPSHSV	110		161
Db	AAANGEAGAWGGDRBFP-----ANGPRALGPPAEEPLLAAANGTIVPSPHTA	142	98		
Qy	PVPA 165		162		
Db	PVPS 146		143		

**RESULT** 15  
US-09-976-740-47  
; Sequence 47, Application US/09976740  
; Publication No. US2002019463A1  
; GENERAL INFORMATION:  
; APPLICANT: Lees, Ann M.  
APPLICANT: Lees, Robert S.  
APPLICANT: Law, Simon W.  
APPLICANT: Arjona, Anibal A.  
TITLE OF INVENTION: NOVEL LOW DENSITY  
TITLE OF INVENTION: PROTEINS AND THE  
TITLE OF INVENTION: ATHEROSCLEROSIS  
FILE REFERENCE: 1079-00401  
CURRENT APPLICATION NUMBER: US/09/9  
CURRENT FILING DATE: 2001-10-12  
PRIOR APPLICATION NUMBER: 09/616,28  
PRIOR FILING DATE: 2000-07-14

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TOPOLOGY: linear  
US-08-249322R-170

Query Match 11.8%; Score 113.5; DB 1; Length 422;  
Best Local Similarity 28.3%; Pred. No. 0.012; Mismatches 51;  
Matches 54; Conservative 15; Indels 71; Gaps 11;

Db 4 RRAPRR-SGRPDP-----RAQRPGSARRSSPPPLPLLLL 38  
Qy 52 APRTALQPOESVAGAGCAALPL-PGLLFGAPALIG---LALVLAIVLVGVSNRRQR 106  
Db 39 LGTAALAP---GAAGAANEARAPGASCVYSSPPSPVGSSVQELAQRAAVIEGKVKHPRQQ 94  
Qy 107 ---RLRGNSAEP--DGDKDADPEPDKVILSCISDATAP-AWPPPGEDP---GT 154  
Db 95 GALDRKAAAGAGEAGAWGGDRBPP---AAGPRAUGPPABEPLLAANGT 139  
Qy 155 TPGHSPVPVA 165  
Db 140 VPSWPTAPVPS 150

Search completed: June 23, 2003, 15:17:14  
Job time : 33 secs

RESULT 15  
US-08-428-927-3

Sequence 3, Application. US/08428927

Patent No. 575456

GENERAL INFORMATION:

APPLICANT: Ho, Wei-Hsien

APPLICANT: Osheroff, Phyllis L.

TITLE OF INVENTION: SENSORY AND MOTOR NEURON DERIVED FACTOR (SMDF)

NUMBER OF SEQUENCES: 5

CORRESPONDENCE ADDRESS:

ADDRESSEE: Genentech, Inc.

STREET: 460 Point San Bruno Blvd

CITY: South San Francisco

STATE: California

COUNTRY: USA

ZIP: 94080

COMPUTER READABLE FORM:  
MEDIUM TYPE: 5.25 Inch, 360 Kb floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: patin (Genentech)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/428,927

FILING DATE: 25-APR-1995

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/339517

FILING DATE: 14-NOV-1994

ATTORNEY/AGENT INFORMATION:

NAME: Lee, Wendy M.

REGISTRATION NUMBER: 00.000

REFERENCE/DOCKET NUMBER: 853D3

TELECOMMUNICATION INFORMATION:

TELEPHONE: 415/221-1994

TELEFAX: 415/952-9881

TELEX: 910/371-168

INFORMATION FOR SEQ ID NO: 3:

SEQUENCE CHARACTERISTICS: LENGTH: 422 amino acids

TYPE: amino acid

TOPOLOGY: linear

US-08-428-927-3

Query Match 11.8%; Score 113.5; DB 1; Length 422;

Best Local Similarity 28.3%; Pred. No. 0.012; Mismatches 51;

Matches 54; Conservative 15; Indels 71; Gaps 11;

Qy 2 RRGPSLRGRDAPAPTPCVPACFDLLVRHCVACGLLRTPRPKPAGASSP-----51  
Db 4 RRAPRR-SGRPDP-----RAQRPGSARRSSPPPLPLLLL 38  
Qy 52 APRTALQPOESVAGAGCAALPL-PGLLFGAPALIG---LALVLAIVLVGVSNRRQR 106  
Db 39 LGTAALAP---GAAGAANEARAPGASCVYSSPPSPVGSSVQELAQRAAVIEGKVKHPRQQ 94  
Qy 107 ---RLRGNSAEP--DGDKDADPEPDKVILSCISDATAP-AWPPPGEDP---GT 154  
Db 95 GALDRKAAAGAGEAGAWGGDRBPP---AAGPRAUGPPABEPLLAANGT 139  
Qy 155 TPGHSPVPVA 165  
Db 140 VPSWPTAPVPS 150

RESULT 15  
US-08-428-927-3

Sequence 3, Application. US/08428927

Patent No. 575456

GENERAL INFORMATION:

APPLICANT: Ho, Wei-Hsien

APPLICANT: Osheroff, Phyllis L.

TITLE OF INVENTION: SENSORY AND MOTOR NEURON DERIVED FACTOR (SMDF)

NUMBER OF SEQUENCES: 5

CORRESPONDENCE ADDRESS:

ADDRESSEE: Genentech, Inc.

STREET: 460 Point San Bruno Blvd

CITY: South San Francisco

STATE: California

COUNTRY: USA

ZIP: 94080

COMPUTER READABLE FORM:  
MEDIUM TYPE: 5.25 Inch, 360 Kb floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: patin (Genentech)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/428,927

FILING DATE: 25-APR-1995

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/339517

FILING DATE: 14-NOV-1994

ATTORNEY/AGENT INFORMATION:

NAME: Lee, Wendy M.

REGISTRATION NUMBER: 00.000

REFERENCE/DOCKET NUMBER: 853D3

TELECOMMUNICATION INFORMATION:

TELEPHONE: 415/221-1994

TELEFAX: 415/952-9881

TELEX: 910/371-168

INFORMATION FOR SEQ ID NO: 3:

SEQUENCE CHARACTERISTICS: LENGTH: 422 amino acids

TYPE: amino acid

TOPOLOGY: linear

US-08-428-927-3

Query Match 11.8%; Score 113.5; DB 1; Length 422;

Best Local Similarity 28.3%; Pred. No. 0.012; Mismatches 51;

Matches 54; Conservative 15; Indels 71; Gaps 11;

Qy 2 RRGPSLRGRDAPAPTPCVPACFDLLVRHCVACGLLRTPRPKPAGASSP-----51

;

STRANDEDNESS:  
TOPOLOGY: linear

US-08-469-569-170

Query Match Similarity 11.8%; Score 113.5; DB 1; Length 422;  
Best Local Similarity 28.3%; Pred. No. 0.012; Mismatches 51; Indels 71; Gaps 11;  
Matches 54; Conservative 15; Mismatches 51; Indels 71; Gaps 11;

Qy 2 RRRAPR-SGRGP-----Db 4 RRRAPR-SGRGP-----

Qy 52 APTALQOQESVGAGAGAAALPL-PGLIFGAPALLG---LAIVLALVLVLSWRRQR 106  
Db 39 LGTAALAP---GAAGNEAARPGAGCYSPPSVSSQELAQRAAVIEGKVRHQBRRQ 94

Qy 4 RRRAFRR-SGRGP-----Db 4 RRRAFRR-SGRGP-----

Qy 39 LGTAALAP---GAAGNEAARPGAGCYSPPSVSSQELAQRAAVIEGKVRHQBRRQ 94  
Db 39 LGTAALAP---GAAGNEAARPGAGCYSPPSVSSQELAQRAAVIEGKVRHQBRRQ 94

Qy 107 ---RLRGASSATAP-DGDKDAPEDPKVILSPGISDATAAP-AWPPPGEDP---GT 154  
Db 95 GALDRKAAMAAAGEGAWGGDRBPP---AAGPRALGPPAEPPLLAANGT 139

Qy 155 TPGHSVPVA 165  
Db 140 VPSWPTAVPVS 150

RESULT 13

US-08-428-926-3

Sequence 3, Application US/08428926

Patent No. 5667780

GENERAL INFORMATION:

APPLICANT: Ho, Wei-Hsien  
TITLE OF INVENTION: SENSORY AND MOTOR NEURON DERIVED FACTOR (SMDF)  
NUMBER OF SEQUENCES: 5

CORRESPONDENCE ADDRESS:

ADDRESSEE: Genentech, Inc.  
STREET: 460 Point San Bruno Blvd  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080

COMPUTER READABLE FORM:

MEDIUM TYPE: 5.25 inch 360 kb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: patin (Genentech)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/428,926  
FILING DATE: 25-APR-1995  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/339517  
FILING DATE: 14-NOV-1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Lee, Wendy M.  
REGISTRATION NUMBER: 00.000  
REFERENCE/DOCKET NUMBER: 853D4

TELECOMMUNICATION INFORMATION:

TELEPHONE: 415/225-1994  
TELEX: 910/371-7168  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 422 amino acids  
TYPE: amino acid  
TOPOLOGY: linear

US-08-428-926-3

Query Match Similarity 11.8%; Score 113.5; DB 1; Length 422;  
Best Local Similarity 28.3%; Pred. No. 0.012; Mismatches 51; Indels 71; Gaps 11;  
Matches 54; Conservative 15; Mismatches 51; Indels 71; Gaps 11;

Qy 2 RRGPSSLRGRDAPTPCVPACFDLLVRHCVAGGLRTPRPKPAGASSP-----Db 2 RRGPSSLRGRDAPTPCVPACFDLLVRHCVAGGLRTPRPKPAGASSP-----

Qy 155 TPGHSVPVA 165  
Db 140 VPSWPTAVPVS 150

RESULT 14

US-08-249-322A-170

Sequence 170, Application US/08249322A

Patent No. 5716930

GENERAL INFORMATION:

APPLICANT: Goodearl, Andrew; Stroobant, Paul; Michael, Marchioni, Mark;  
APPLICANT: Minghetti, Luisa; Waterfield, Paul; Chem, Mai-Li; Hiles, Ian  
TITLE OF INVENTION: Glial Miogenic Factors, Their  
TITLE OF INVENTION: Preparation and Use  
NUMBER OF SEQUENCES: 184

CORRESPONDENCE ADDRESS:

ADDRESSEE: Ralfe & Lynch  
STREET: 805 Third Avenue  
CITY: New York City  
STATE: New York  
COUNTRY: USA  
ZIP: 10022

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 5.25 inch, 360 kb storage  
COMPUTER: IBM  
OPERATING SYSTEM: PC-DOS  
SOFTWARE: Wordperfect

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/249,322A  
FILING DATE: 26-MAY-1994  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/036,555  
FILING DATE: 24-MAR-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/965,173  
FILING DATE: 23-OCT-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/940,389  
FILING DATE: 03-SEP-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/907,138  
FILING DATE: 30-JUN-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/863,703  
FILING DATE: 03-APRIL-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: U.K. 191 07566.3  
FILING DATE: 10-APRIL-1991  
ATTORNEY/AGENT INFORMATION:  
NAME: Trai, Christine H.  
REGISTRATION NUMBER: 34,266  
REFERENCE/DOCKET NUMBER: LUD 250.4

TELECOMMUNICATION INFORMATION:

TELEPHONE: (212) 698-9200  
TELEFAX: (212) 838-3884  
INFORMATION FOR SEQ ID NO: 170:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 422  
TYPE: amino acid  
TOPOLOGY: linear

US-08-428-926-3

RESULT 11  
US-08-036-555B-170  
; Sequence 170, Application US/08036555B  
; Patent No. 5530109  
; GENERAL INFORMATION:  
TITLE OF INVENTION: Preparation and Use  
NUMBER OF SEQUENCES: 184  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Peife & Lynch  
STREET: 805 Third Avenue  
CITY: New York City  
STATE: New York  
COUNTRY: USA  
ZIP: 10022  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 5.25 inch, 360 kb storage  
COMPUTER: IBM  
OPERATING SYSTEM: PC-DOS  
SOFTWARE: Wordperfect  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/036,555B  
FILING DATE: 24-MAR-1993  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/965,173  
FILING DATE: 23-OCT-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/940,389  
FILING DATE: 03-SEP-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/907,138  
FILING DATE: 30-JUN-1991  
ATTORNEY/AGENT INFORMATION:  
NAME: Tsai, Christine H.  
REGISTRATION NUMBER: 34,266  
REFERENCE/DOCKET NUMBER: LUD 5250.4  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 688-9200  
TELEFAX: (212) 838-3884  
INFORMATION FOR SEQ ID NO: 170:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 422  
TYPE: amino acid  
STRANDBNESS:  
TOPOLGY: linear  
US-08-036-555B-170

Query Match 11.8%; Score 113.5; DB 1; Length 422;  
Best Local Similarity 28.3%; Pred. No. 0.012; Mismatches 51; Indels 71; Gaps 11;

QY 52 APTALOPOESVAGAGRALPL-PGLFGAPALIG---LALVIALVLUGLVSRQR 106  
Db 39 LGTAALAP---GAAGNNEAAPAGASVCYSSPPSVGSVQELAQRAAVVIEGKVHPQRQQ 94  
QY 107 ---RLRGASSAEP--DGDKDAPEPLKVILS PGISDATA P-AWPPGED----GT 154  
Db 95 GALDRKAAAGAGAGAWGGDREPP-----AAGPRAALGPAPBPLAANGT 139  
QY 155 TPPGHSPVPA 165  
Db 140 VPSWPTAPVPS 150

RESULT 12  
US-08-469-5569-170  
; Sequence 170, Application US/08469569  
; Patent No. 5506032  
; GENERAL INFORMATION:  
APPLICANT: Goodearl, Andrew; Stroobant, Paul;  
APPLICANT: Minghetti, Luisa; Waterfield, Michael; Marchioni, Mark;  
TITLE OF INVENTION: Glial Mitogenic Factors, Their  
NUMBER OF SEQUENCES: 184  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Peife & Lynch  
STREET: 805 Third Avenue  
CITY: New York City  
STATE: New York  
COUNTRY: USA  
ZIP: 10022  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 5.25 inch, 360 kb storage  
COMPUTER: IBM  
OPERATING SYSTEM: PC-DOS  
SOFTWARE: Wordperfect  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/469,569  
FILING DATE: 06-JUN-1995  
CLASSIFICATION: 530  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/036,555  
FILING DATE: 24-MAR-1993  
APPLICATION NUMBER: 07/965,173  
FILING DATE: 23-OCT-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/940,389  
FILING DATE: 03-SEP-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/907,138  
FILING DATE: 30-JUN-1991  
ATTORNEY/AGENT INFORMATION:  
NAME: Tsai, Christine H.  
REGISTRATION NUMBER: 34,266  
REFERENCE/DOCKET NUMBER: LUD 5250.4  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 688-9200  
TELEFAX: (212) 838-3884  
INFORMATION FOR SEQ ID NO: 170:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 422  
TYPE: amino acid

QY 2 RRGPRSLRGRDAPAPTCVPAECFDLVRHCVACGLLRTPRPKPAGASSP----- 51  
Db 4 RRAPRR-SGRCP-----RAQPGSARRSSPPLPPLLL 38  
QY 52 APTALOPOESVAGAGRALPL-PGLFGAPALIG---LALVIALVLUGLVSRQR 106  
Db 39 LGTAALAP---GAAGNNEAAPAGASVCYSSPPSVGSVQELAQRAAVVIEGKVHPQRQQ 94  
QY 107 ---RLRGASSAEP--DGDKDAPEPLKVILS PGISDATA P-AWPPGED----GT 154  
Db 95 GALDRKAAAGAGAGAWGGDREPP-----AAGPRAALGPAPBPLAANGT 139

QY 155 TPPGHSPVPA 165  
Db 140 VPSWPTAPVPS 150

Patent No. 6444642  
; GENERAL INFORMATION:  
; APPLICANT: Sklar, Robert  
; APPLICANT: Marchionni, Mark  
; APPLICANT: Gwynne, David T.  
; TITLE OF INVENTION: METHODS FOR TREATING MUSCLE DISEASES AND  
; FILE REFERENCE: 04585/028003  
; CURRENT APPLICATION NUMBER: US/08/467,602C  
; EARLIER FILING DATE: 1995-06-06  
; EARLIER APPLICATION NUMBER: 08/209,204  
; BARLIER APPLICATION NUMBER: 08/059,022  
; EARLIER FILING DATE: 1994-01-08  
; NUMBER OF SEQ ID NOS: 420  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO: 384  
; LENGTH: 405  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: VARIANT  
; LOCATION: (34)...(34)  
; OTHER INFORMATION: Xaa is any amino acid  
; US-08-467-602-384

Query Match 11.8%; Score 113.5; DB 4; Length 405;  
Best Local Similarity 28.3%; Pred. No. 0.011; Mismatches 51; Indels 71; Gaps 11;  
Matches 54; Conservative 15; Mismatches 51; Indels 71; Gaps 11;

Qy 2 RRGPSRLGRDAPPTCPVPAECFDLIVRHCAGGLRTPRPKPAGASSP----- 51  
Db 38 RRAPRR-SGRGP----- 72

Qy 52 APRTAQPOESVGAGAGAAALPL-PGLIIGAPALIG---LAIVLAIVLVLGVLSWRQR 106  
Db 73 LGTAAALP---GAAGNEAALPAGASVYSSPVSVGSVOELAQRAAVVIEGKVPQRQQ 128

Qy 107 ---RLRGASSAEP--DGDKDAPEFLDKVILSPLGISDATAAP-AWPPPGEDP---GT 154  
Db 129 GALDRKAALAAAGERAGAWGGDRREPP-----AAGPRALGPAAEPLLAANGT 173

Qy 155 TPPGHSVPVPA 165  
Db 174 VPSWPTAPVPS 184

RESULT 9  
-0-470-339-189  
Sequence 189, Application US/08470339C  
Patient No. 623286  
; GENERAL INFORMATION:  
; APPLICANT: GOODEARL, ANDREW  
; APPLICANT: STROOBANT, PAUL  
; APPLICANT: MINGETTI, LUISA  
; APPLICANT: WATERFIELD, MICHAEL  
; APPLICANT: MARCHIONNI, MARK  
; APPLICANT: CHEN, MARIO S.  
; APPLICANT: HILES, IAN  
; TITLE OF INVENTION: GLIAL MITOGENIC FACTORS, THEIR  
; TITLE OF INVENTION: PREPARATION AND USE  
; FILE REFERENCE: 04585/02008  
; CURRENT APPLICATION NUMBER: US/08/470,339C  
; CURRENT FILING DATE: 1995-06-06  
; EARLIER APPLICATION NUMBER: 08/036,555  
; EARLIER FILING DATE: 1993-03-24  
; EARLIER APPLICATION NUMBER: 07/940,389  
; EARLIER FILING DATE: 1992-09-03  
; EARLIER APPLICATION NUMBER: 07/907,138  
; EARLIER FILING DATE: 1992-06-30  
; EARLIER APPLICATION NUMBER: 07/863,703  
; EARLIER FILING DATE: 1992-04-03  
; EARLIER APPLICATION NUMBER: 91/07566.3 GB  
; NUMBER OF SEQ ID NOS: 226  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO: 188  
; LENGTH: 414  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; US-08-470-339-188

Query Match 11.8%; Score 113.5; DB 4; Length 414;  
Best Local Similarity 28.3%; Pred. No. 0.012; Mismatches 51; Indels 71; Gaps 11;  
Matches 54; Conservative 15; Mismatches 51; Indels 71; Gaps 11;

Qy 2 RRGPSRLGRDAPPTCPVPAECFDLIVRHCAGGLRTPRPKPAGASSP----- 51  
Db 4 RRAPRR-SGRGP----- 38

US-08-467-602-404  
; Sequence 404, Application US/08467602C  
; Patent No. 6444432  
; GENERAL INFORMATION:  
; APPLICANT: Sklar, Robert  
; APPLICANT: Marchionni, Mark  
; APPLICANT: Gwynne, David I.  
; TITLE OF INVENTION: METHODS FOR TREATING MUSCLE DISEASES AND  
; TITLE OF INVENTION: DISORDERS  
; FILE REFERENCE: 04585/028003  
; CURRENT APPLICATION NUMBER: US/08/467,602C  
; CURRENT FILING DATE: 1993-06-06  
; EARLIER APPLICATION NUMBER: 08/209,204  
; EARLIER FILING DATE: 1994-03-08  
; EARLIER APPLICATION NUMBER: 08/059,022  
; EARLIER FILING DATE: 1993-05-06  
; NUMBER OF SEQ ID NOS: 420  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO: 404  
; LENGTH: 248  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; US-08-467-602-404  
; QUERY MATCH:  
; Best Local Similarity 28.3%; Pred. No. 0.0056; DB 4;  
; Matches 54; Conservative 15; Mismatches 51; Indels 71; Gaps 11;  
; Matches 54; Conservative 15; Mismatches 51; Indels 71; Gaps 11;  
; Qy 2 RRGPRSLRGRDAPAPTPCVPACEDLILVRHCVACGLLRTPRPKPAGASSP-----  
; Db 4 RRAPRR-SGRGP-----  
; Qy 52 APRATALQOESVGAGAGEALPL-PGLIFGAPALIG---LALVLAVLVGLVLSMRQR 106  
; Db 39 LGTAALAP---GAAGNEAAPAGASVCSPPSGSVQSLAQRAVUVISGKVHQRRQ 94  
; Db 4 RRAPRR-SGRGP-----  
; Qy 107 ---RLRGASSAEP--DGDKDAPERLDKVITLSPGISDATAAP-AWP PPGEDP---GT 154  
; Db 95 GALDRKAAAGAAGEAGAWGGDREPP---AAGPRAALGPAAEPELLANGT 139  
; Qy 155 TPPGHSPVPA 165  
; Db 140 VPSWPTAPVPS 150  
; RESULT 7  
; US-08-467-602-382  
; Sequence 382, Application US/08467602C  
; Patent No. 6444424  
; GENERAL INFORMATION:  
; APPLICANT: Sklar, Robert  
; APPLICANT: Marchionni, Mark  
; APPLICANT: Gwynne, David I.  
; TITLE OF INVENTION: METHODS FOR TREATING MUSCLE DISEASES AND  
; FILE REFERENCE: 04585/028003  
; CURRENT APPLICATION NUMBER: US/08/467,602C  
; CURRENT FILING DATE: 1993-06-06  
; EARLIER APPLICATION NUMBER: 08/209,204  
; EARLIER FILING DATE: 1994-03-08  
; EARLIER APPLICATION NUMBER: 08/059,022  
; EARLIER FILING DATE: 1993-05-06  
; NUMBER OF SEQ ID NOS: 420  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO: 382  
; LENGTH: 382  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; LOCATION: (34)..(34)  
; NAME/KEY: VARIANT  
; LOCATION: (34)..(34)  
; OTHER INFORMATION: Xaa is any amino acid  
; US-08-467-602-382  
; QUERY MATCH:  
; Best Local Similarity 28.3%; Pred. No. 0.011; DB 4;  
; Matches 54; Conservative 15; Mismatches 51; Indels 71; Gaps 11;  
; Matches 54; Conservative 15; Mismatches 51; Indels 71; Gaps 11;  
; Qy 2 RRGPRSLRGRDAPAPTPCVPACEDLILVRHCVACGLLRTPRPKPAGASSP-----  
; Db 4 RRAPRR-SGRGP-----  
; Qy 52 APRATALQOESVGAGAGEALPL-PGLIFGAPALIG---LALVLAVLVGLVLSMRQR 106  
; Db 38 RRAPRR-SGRGP-----  
; Qy 73 LGTAALAP---GAAGNEAAPAGASVCSPPSGSVQSLAQRAVUVISGKVHQRRQ 128  
; Db 107 ---RLRGASSAEP--DGDKDAPERLDKVITLSPGISDATAAP-AWP PPGEDP---GT 154  
; Db 129 GALDRKAAAGAAGEAGAWGGDREPP---AAGPRAALGPAAEPELLANGT 173  
; Qy 155 TPPGHSPVPA 165  
; Db 174 VPSWPTAPVPS 184  
; RESULT 8  
; US-08-467-602-384  
; Sequence 384, Application US/08467602C

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11.8%; Score 113.5; DB 4; Length 349;

APPLICANT: GOODEARL, ANDREW ; LENGTH: 248  
; APPLICANT: STROOBANT, PAUL ; TYPE: PRT  
; APPLICANT: MINGHETTI, LUISA ;  
; APPLICANT: WATERFIELD, MICHAEL ; ORGANISM: Homo sapiens  
; APPLICANT: MARCHIONNI, MARK ;  
; APPLICANT: HILES, TAN ;  
; TITLE OF INVENTION: GLIAL MITOGENIC FACTORS, THEIR ; US-08-470-339-210  
; FILE REFERENCE: 04585/002008  
; CURRENT APPLICATION NUMBER: US/08/470,339P  
; CURRENT FILING DATE: 1995-05-06  
; EARLIER APPLICATION NUMBER: 08/036,555  
; EARLIER FILING DATE: 1992-09-03  
; EARLIER APPLICATION NUMBER: 07/907,138  
; EARLIER FILING DATE: 1992-06-30  
; EARLIER APPLICATION NUMBER: 07/863,703  
; EARLIER FILING DATE: 1992-04-03  
; EARLIER APPLICATION NUMBER: 91/07566.3 GB  
; NUMBER OF SEQ ID NOS: 226  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 210  
; TYPE: PRT  
; ORGANISM: Homo sapiens

Query Match 11 8%; Score 113.5; DB 4; Length 248;  
Best Local Similarity 28.3%; Pred. No. 0.0065; Mismatches 51; Indels 71; Gaps 11;  
Matches 54; Conservative 15; Mismatches 51; Indels 71; Gaps 11;

QY 2 RRGPRSLRGRDAPPTCPVPCFDFLLVRHCVACGLRLTRPRPKPAGASSP----- 51  
Db 4 RRAPRR-SGRGP-----RAQRPGSAARSSSPPLPLPLILL 38

QY 52 APRTALQPOESVGAGAGEAALPL-PGLFGAPALG---LALVALVLVGLVLSRRQR 106  
Db 39 LGTAALAP---GAAGNEAAPAGASVVCYSSPPSVSVOELAQRAAVVIEGVHPQRQQ 94

QY 107 ---RLRGASSAEAP--DGDKDAPEPLDKVILISPGISDATAAP-AWPPGCEDP---GT 154  
Db 95 GALDRKAAAAGEBAGAWGGGREPP----AAGPRALGPPAEPPLAANGT 139

QY 155 TPPGHHSVVPVA 165  
Db 95 GALDRKAAAAGEBAGAWGGGREPP----AAGPRALGPPAEPPLAANGT 139

QY 155 TPPGHHSVVPVA 165  
Db 140 VPSWPTAPVPS 150

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RESULT 3  
US-08-470-339-210  
; Sequence 210, Application US/08470339C  
; Patent No. 6232286  
; GENERAL INFORMATION:  
; APPLICANT: GOODEARL, ANDREW.  
; APPLICANT: STROOBANT, PAUL  
; APPLICANT: MINGHETTI, LUISA  
; APPLICANT: WATERFIELD, MICHAEL  
; APPLICANT: MARCHIONNI, MARK  
; APPLICANT: HILES, TAN  
; TITLE OF INVENTION: GLIAL MITOGENIC FACTORS, THEIR ; US-08-467-602-207  
; FILE REFERENCE: 04585/02003  
; CURRENT APPLICATION NUMBER: US/08/467,602C  
; CURRENT FILING DATE: 1995-05-06  
; EARLIER APPLICATION NUMBER: 08/0209,204  
; EARLIER FILING DATE: 1994-03-08  
; EARLIER APPLICATION NUMBER: 08/059,022  
; EARLIER FILING DATE: 1993-05-06  
; NUMBER OF SEQ ID NOS: 420  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 207  
; LENGTH: 248  
; TYPE: PRT  
; ORGANISM: Homo sapiens

Query Match 11 8%; Score 113.5; DB 4; Length 248;  
Best Local Similarity 28.3%; Pred. No. 0.0065; Mismatches 51; Indels 71; Gaps 11;  
Matches 54; Conservative 15; Mismatches 51; Indels 71; Gaps 11;

QY 2 RRGPRSLRGRDAPPTCPVPCFDFLLVRHCVACGLRLTRPRPKPAGASSP----- 51  
Db 4 RRAPRR-SGRGP-----RAQRPGSAARSSSPPLPLILL 38

QY 52 APRTALQPOESVGAGAGEAALPL-PGLFGAPALG---LALVALVLVGLVLSRRQR 106  
Db 39 LGTAALAP---GAAGNEAAPAGASVVCYSSPPSVSVOELAQRAAVVIEGVHPQRQQ 94

QY 107 ---RLRGASSAEAP--DGDKDAPEPLDKVILISPGISDATAAP-AWPPGCEDP---GT 154  
Db 95 GALDRKAAAAGEBAGAWGGGREPP----AAGPRALGPPAEPPLAANGT 139

QY 155 TPPGHHSVVPVA 165  
Db 140 VPSWPTAPVPS 150

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RESULT 4  
US-08-467-602-207  
; Sequence 207, Application US/08467602C  
; Patent No. 6244642  
; GENERAL INFORMATION:  
; APPLICANT: Sklar, Robert  
; APPLICANT: Marchionni, Mark  
; APPLICANT: Guynn, David I.  
; TITLE OF INVENTION: METHODS FOR TREATING MUSCLE DISEASES AND  
; FILE REFERENCE: 04585/02003  
; CURRENT APPLICATION NUMBER: US/08/467,602C  
; CURRENT FILING DATE: 1995-05-06  
; EARLIER APPLICATION NUMBER: 08/0209,204  
; EARLIER FILING DATE: 1994-03-08  
; EARLIER APPLICATION NUMBER: 08/059,022  
; EARLIER FILING DATE: 1993-05-06  
; NUMBER OF SEQ ID NOS: 420  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 207  
; LENGTH: 248  
; TYPE: PRT  
; ORGANISM: Homo sapiens

Query Match 11 8%; Score 113.5; DB 4; Length 248;  
Best Local Similarity 28.3%; Pred. No. 0.0065; Mismatches 51; Indels 71; Gaps 11;  
Matches 54; Conservative 15; Mismatches 51; Indels 71; Gaps 11;

QY 2 RRGPRSLRGRDAPPTCPVPCFDFLLVRHCVACGLRLTRPRPKPAGASSP----- 51  
Db 4 RRAPRR-SGRGP-----RAQRPGSAARSSSPPLPLILL 38

QY 52 APRTALQPOESVGAGAGEAALPL-PGLFGAPALG---LALVALVLVGLVLSRRQR 106  
Db 39 LGTAALAP---GAAGNEAAPAGASVVCYSSPPSVSVOELAQRAAVVIEGVHPQRQQ 94

QY 107 ---RLRGASSAEAP--DGDKDAPEPLDKVILISPGISDATAAP-AWPPGCEDP---GT 154  
Db 95 GALDRKAAAAGEBAGAWGGGREPP----AAGPRALGPPAEPPLAANGT 139

QY 155 TPPGHHSVVPVA 165  
Db 140 VPSWPTAPVPS 150

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RESULT 5

Gencore version 5.1.6  
Copyright (c) 1993 - 2003 Compugen Ltd.

OM protein - protein search, using sw model

run on: June 23, 2003, 15:12:32 ; Search time 26 Seconds  
(without alignments)  
208.224 Million cell updates/sec

Title: perfect score:  
sequence: AAK91826  
database: BIOSM62  
scoring table: Gapop 10.0 , Gapext 0.5

searched: 262574 seqs, 29422922 residues

al number of hits satisfying chosen parameters: 262574

minimum DB seq length: 0  
maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

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2: /cgn2\_6/ptodata/1/iaa/5B\_COMB.pep: \*  
3: /cgn2\_6/ptodata/1/iaa/6A\_COMB.pep: \*  
4: /cgn2\_6/ptodata/1/iaa/6B\_COMB.pep: \*  
5: /cgn2\_6/ptodata/1/iaa/PCTUS\_COMB.pep: \*  
6: /cgn2\_6/ptodata/1/iaa/backfivel.pep: \*

Pred. No. 18 is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

**SUMMARIES**

result No.	Score	Query	Match Length	DB ID	Description
1	113.5	11.8	248	3 US-08-341-018-52	Sequence 52, App
2	113.5	11.8	248	4 US-08-470-335-210	Sequence 210, App
3	113.5	11.8	248	4 US-08-470-339-210	Sequence 210, App
4	113.5	11.8	248	4 US-08-470-339-210	Sequence 207, App
5	113.5	11.8	248	4 US-08-467-602-404	Sequence 404, App
6	113.5	11.8	349	4 US-08-470-335-188	Sequence 188, App
7	113.5	11.8	382	4 US-08-467-602-382	Sequence 382, App
8	113.5	11.8	405	4 US-08-467-602-384	Sequence 384, App
9	113.5	11.8	411	4 US-08-470-339-189	Sequence 189, App
10	113.5	11.8	414	4 US-08-470-339-188	Sequence 188, App
11	113.5	11.8	422	1 US-08-336-555B-170	Sequence 170, App
12	113.5	11.8	422	1 US-08-462-569-170	Sequence 170, App
13	113.5	11.8	422	1 US-08-428-926-3	Sequence 3, AppI
14	113.5	11.8	422	1 US-08-429-322A-170	Sequence 170, App
15	113.5	11.8	422	1 US-08-428-927-3	Sequence 3, AppI
16	113.5	11.8	422	1 US-08-428-298-3	Sequence 3, AppI
17	113.5	11.8	422	1 US-08-339-517-3	Sequence 3, AppI
18	113.5	11.8	422	1 US-08-469-565A-170	Sequence 170, App
19	113.5	11.8	422	2 US-08-733-591A-170	Sequence 170, App
20	113.5	11.8	422	2 US-08-465-660-170	Sequence 170, App
21	113.5	11.8	422	3 US-08-341-018-72	Sequence 72, App
22	113.5	11.8	422	4 US-08-470-335-170	Sequence 170, App
23	113.5	11.8	422	4 US-08-735-021-170	Sequence 170, App
24	113.5	11.8	422	4 US-08-734-664A-170	Sequence 170, App
25	113.5	11.8	422	4 US-08-470-339-170	Sequence 170, App
26	113.5	11.8	422	4 US-08-467-602-170	Sequence 170, App
27	113.5	11.8	422	4 US-08-467-602-324	Sequence 324, App

**ALIGNMENTS**

RESULT 1  
US-08-341-018-52  
; Sequence 52, Application US/08341018A  
; Patent No. 6087323  
; GENERAL INFORMATION:  
; APPLICANT: Gywne, David I.  
; APPLICANT: Marchionni, Mack A.  
; APPLICANT: Birmingham-McDonagh, Olivia  
; APPLICANT: Goldin, Stanley M.  
; APPLICANT: McBurney, Robert N.  
; TITLE OF INVENTION: USE OF NEUREGULINS AS MODULATORS  
; FILE REFERENCE: 04585/041001  
; CURRENT APPLICATION NUMBER: US/08/341,018A  
; CURRENT FILING DATE: 1994-11-17  
; NUMBER OF SEQ ID NOS: 87  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 52  
; LENGTH: 248  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; US-08-341-018-52  
Query Match Score 11.8%; Score 113.5; DB Best Local Similarity 28.3%; Pred. No. 0.0065; DB Matches 54; Conservative 15; Mismatches 5  
Qy 2 RRGRRSLRGRDAPAPTPCVAEFCFDLVLHCVAGCLL  
Db 3 RRRAPR-SGRGP-----  
Qy 52 APRILQQPESVGAGAEALPL-PGLLFGAPALIG-  
Db 39 LGTAALAP---GAAGNEAAPAGA-SVCVSSPPSVGS  
Qy 107 ---RLRGASSAAAP--DGDKDABEPBLDKVILISPGIN  
Db 95 GALKDKAALAGBAGAWGGDRPP-----  
Qy 155 TPRGHSHVPVA 165  
Db 140 VPSWNTAPVPS 150  
; GENERAL INFORMATION:

RESULT 2  
US-08-470-335-210  
; Sequence 210, Application US/08470335F  
; Patent No. 6147190  
; GENERAL INFORMATION: